

Title (en)

4-(2-Furoyl) Aminopiperidine compound useful as therapeutic agent for itching

Title (de)

4-(2-Furoyl) Aminopiperidin Verbindung nützlich als Therapeutikum gegen Juckreiz

Title (fr)

4-(2-Furoyl) Aminopiperidines en tant qu'agents therapeutique contre les démangeaisons

Publication

EP 2325183 A1 20110525 (EN)

Application

EP 11156179 A 20040506

Priority

- EP 04731495 A 20040506
- JP 2003130634 A 20030508

Abstract (en)

There are provided compounds represented by the following general formula (I): where R 1 is 5-methylpyridin-2-yl, p-tolyl or mesityl, R 2 is where R 3 is C1-C4 alkyl, R 4 is H or C1-C4 alkyl, and pharmaceutically acceptable salts thereof. The compounds exhibit pruritus-inhibiting action, and are useful for prevention or treatment of itching and pruritus caused by reaction against insect-inflicted wounds, reaction against environmental allergens, skin infections or external parasite infections, or caused to renal dialysis patient.

IPC 8 full level

A61K 31/4525 (2006.01); **A61K 31/454** (2006.01); **A61K 31/4545** (2006.01); **A61K 31/5377** (2006.01); **A61P 17/04** (2006.01); **C07D 405/12** (2006.01); **C07D 405/14** (2006.01)

CPC (source: EP KR US)

A61P 17/04 (2017.12 - EP); **C07D 405/12** (2013.01 - EP KR US); **C07D 405/14** (2013.01 - EP US); **C07F 9/65586** (2013.01 - EP US)

Citation (applicant)

- WO 03035645 A1 20030501 - KYORIN SEIYAKU KK [JP], et al
- US 2003004340 A1 20030102 - GIBSON STEPHEN PAUL [GB], et al
- US 5567773 A 19961022 - MCGEE DENNIS E [US], et al
- US 5888494 A 19990330 - FARRAR JOHN J [US], et al
- US 5798093 A 19980825 - FARRAR JOHN J [US], et al
- US 5811078 A 19980922 - MAYCOCK ALAN L [US], et al
- T. ANDOH ET AL., THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 286, no. 3, 1998, pages 1140 - 1145
- T. ANDOH ET AL., EUROPEAN JOURNAL OF PHARMACOLOGY, vol. 436, 2002, pages 235 - 239

Citation (search report)

[E] EP 1443046 A1 20040804 - KYORIN SEIYAKU KK [JP], et al & WO 03035645 A1 20030501 - KYORIN SEIYAKU KK [JP], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1621538 A1 20060201; **EP 1621538 A4 20090729**; BR PI0410239 A 20060516; CA 2524498 A1 20041118; CA 2524498 C 20120124; CN 100582103 C 20100120; CN 1784398 A 20060607; EP 2325183 A1 20110525; JP 4009303 B2 20071114; JP WO2004099194 A1 20060713; KR 101160858 B1 20120702; KR 20060014039 A 20060214; MX PA05012007 A 20060531; US 2006270632 A1 20061130; US 7601843 B2 20091013; WO 2004099194 A1 20041118

DOCDB simple family (application)

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